

IN THE CLAIMS:

On page 13, in line 1 please cancel "Patent Claims" and substitute:

--I CLAIM AS MY INVENTION:-- therefor.

5 Cancel claims 1-11.

Add the following new claims:

12. (New) A magnetic resonance apparatus comprising:
a basic field magnet for generating a basic magnetic field;
at least one eddy current generator;
- 10 at least one electrically conductive structure in which eddy currents
caused by said eddy current generator can occur, said eddy
currents, if permitted to occur, interacting with said basic
magnetic field to produce Lorentz forces; and
a force generator attached to said at least one electrically conductive
- 15 structure, said force generator being designed and controlled for
generating forces counteracting said Lorentz forces for
substantially precluding movement and deformation of said
electrically conductive structure from occurring.
13. (New) A magnetic resonance apparatus as claimed in claim 1
- 20 wherein said eddy current generator has a control unit associated therewith,
and wherein said force generator comprises a control unit for operating said
force generator dependent on operation of said control unit for said eddy
current generator.
14. (New) A magnetic resonance apparatus as claimed in claim 13
- 25 wherein said eddy current generator comprises at least one coil arrangement
for generating a magnetic gradient field.

15. (New) A magnetic resonance apparatus as claimed in claim 14 wherein said control unit of said eddy current generator comprises a predistortion unit for predistorting a control parameter supplied to said eddy current generator for reducing said eddy currents, and wherein said control
5 unit of said force generator controls said force generator dependent on operation of said predistortion unit.

16. (New) A magnetic resonance apparatus as claimed in claim 12 wherein said electrically conductive structure comprises at least a portion of a magnetic resonance apparatus component selected from the group consisting
10 of a vacuum vessel of said basic field magnet, a cryoshield of said basic field magnet, and a coolant vessel of said basic field magnet.

17. (New) A magnetic resonance apparatus as claimed in claim 12 wherein said electrically conductive structure comprises at least a portion of a magnetic resonance apparatus component selected from the group consisting
15 of a radio-frequency antenna and a radio-frequency shield.

18. (New) A magnetic resonance apparatus as claimed in claim 12 wherein said force generator comprises electrostrictive elements mounted for physical interaction with said at least one electrically conductive structure.

19. (New) A magnetic resonance apparatus as claimed in claim 18
20 wherein said electrostrictive elements are spatially disposed at said electrically conductive structure with a density corresponding to a relative density of said Lorentz forces.

20. (New) A magnetic resonance apparatus as claimed in claim 18 wherein said electrostrictive elements comprise electrostrictive fibers.

25 21. (New) A magnetic resonance apparatus as claimed in claim 12 comprising at least one sensor for detecting a magnetic field generated by said eddy currents.

22. (New) A magnetic resonance apparatus as claimed in claim 21 wherein said at least one sensor is connected to said force generator, and wherein said force generator generates said forces for counteracting said Lorentz forces dependent on said magnetic field detected by said at least one
5 sensor.